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Transforming Semiconductor End-of-Life into "Extension-of-Life."®

Public Meeting – Detection & Avoidance of Counterfeit Electronic Parts – Further Implementation

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INVENTORY-DISTRIBUTION

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Topics

- Fully Authorized Aftermarket Manufacturing
- Authenticity does not equal Reliability
- Authorized, not Trusted
- Conclusions

Fully Authorized Aftermarket

- There are fully Authorized Aftermarket suppliers for the semiconductor industry – Obsolete doesn't and shouldn't automatically imply open/broker market.
  - Rochester Electronics (worlds largest die/wafer bank)
  - Lansdale Semiconductor
  - e2V
  - Arrow
  - Avnet
- All ***POSSIBLE*** Authorized sources need to be checked, not just AVL (Approved Vendor List) members for DoD OEM's before jumping to non-Authorized/broker market
  - Captive in-house Distributor may limit choices

Authenticity does not equal Reliability

- Authenticity checking is necessary but insufficient to determine reliability
- E-waste can produce Authentic parts that are less reliable
- All testing done at test houses is being done without any Original Component Manufacturer (OCM) test program
  - Unknown Quality compared to original test program
  - Results vary greatly depending on test house for the same product
  - Cannot inspect Quality into the product!
- The source for the most reliable semiconductor product is always the fully Authorized source

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Authorized, not Trusted

- The semiconductor industry uses the term AUTHORIZED
  - Either you are Authorized to sell a particular product or you are not
    - http://www.authorizeddirectory.com
    - http://www.eciaauthorized.com
  - Trusted is a term confused with TAPO which is entirely different
  - Authorized sources are audited by the Original Component Manufacturers (OCM's)
- If a source for semiconductors is not Authorized, risk of counterfeit is much higher.

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Conclusions

- **Fully Authorized Aftermarket Manufacturing**
  - **All *possible* Authorized sources should be checked**
- **Authenticity does not equal Reliability**
- **Use the language of the semiconductor industry**
  - **Authorized versus Trusted**

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